PROGRAMME
Cardiac, Thoracic & Vascular

Tuesday, March 05, 2024

Session Date/Time: Tuesday, March 5, 2024 - 13:00 - 14:00
MR 332 (Level 3)
Cardiac, Thoracic & Vascular Workshop: Severe RV Dysfunction after CPB
Workshop Fee: 20 USD

1. Discuss etiology of RV dysfunction associated with cardiopulmonary bypass.
2. Describe diagnosis of RV dysfunction after CPB with case illustrations.
3. Review management approach for RV dysfunction.

13:00 Chair: Severe RV Dysfunction after CPB
Gudrun Kunst, United Kingdom

13:02 Review the Etiology of Severe RV Dysfunction after CPB
Carlos Galhardo, Brazil

13:14 Discuss Techniques of Diagnosing RV Dysfunction after CPB
Vijay Shetty, India

13:26 Discuss Cases in Which Echo Made a Difference
Deepak Borde, India

13:38 Review Management Pearls in RV Dysfunction
Asad Latif, Pakistan

13:50 Questions and Answers

Session Date/Time: Tuesday, March 5, 2024 - 14:15 - 15:15
MR 332 (Level 3)
Cardiac, Thoracic & Vascular Workshop: Cardiac Surgery in Those Refusing Blood Transfusion: Strategies and Challenges
Workshop Fee: 20 USD

1. Discuss approach to assessment of patients refusing perioperative transfusion.
2. Describe strategies to limit blood loss and avoid transfusion.
3. Review challenges and limitations of these approaches.

14:15 Chair: Cardiac Surgery in Those Refusing Blood Transfusion: Strategies and Challenges
Sharon McCartney, United States

14:17 Discuss Approach to Preparing Patients Who Refuse Blood Transfusion
Ben O’Brien, Germany

14:29 Review Techniques for Blood Conservation
Sheela Pai Cole, United States
14:41  Delineate Ethical Considerations in Patients Who Refuse Blood Transfusion  
Mathew Patteril, United Kingdom

14:53  Discuss Novel Approaches to Blood Conservation  
Louise Sun, United States

15:05  Questions and Answers

Session Date/Time: Tuesday, March 5, 2024 - 15:30 - 16:30
MR 332 (Level 3)
Cardiac, Thoracic & Vascular Workshop: Cardio-Thoracic Surgery: Guidelines & Controversies
Workshop Fee: 20 USD

1. Discuss relevant and applicable practice guidelines in cardiothoracic anaesthesia.
2. Describe how the guidelines assist with management decisions.

15:30  Chair: Cardio-Thoracic Surgery: Guidelines & Controversies  
Christopher Troianos, United States

15:32  Cardiopulmonary Bypass Guidelines: 5 Key Messages & 2 Controversies  
Gudrun Kunst, United Kingdom

15:47  TAA & EVAR Guidelines: 5 Key Messages & 2 Controversies  
Carlos Galhardo, Brazil

16:02  Valvular Guidelines: 5 Key Messages & 2 Controversies  
Daniel Bainbridge, Canada

16:17  Questions and Answers

Session Date/Time: Tuesday, March 5, 2024 - 15:30 - 17:00
MR 325 (Level 3)
Cardiac, Thoracic & Vascular Workshop: Thoracic Workshop
Workshop Fee: 90 USD

1. Demonstrate techniques of lung isolation.
2. Describe methods of using POCUS to assess lung pathology.
3. Demonstrate regional anaesthesia techniques in thoracic surgery.

Breakout  
Anantachote Vimuktanandana, Thailand

Breakout  
Sara Jane Allen, New Zealand

Breakout  
Mathew Patteril, United Kingdom
Breakout
Himani Bhatt, United States

Breakout
Vijay Shetty, India

15:30 Chair: Session Introduction
Himani Bhatt, United States

15:32 Challenging Airway Cases
Himani Bhatt, United States

15:42 Pocus Views for Lung Ultrasound
Sheela Pai Cole, United States

15:50 Regional Techniques, Including ES and TEA Techniques
Vijay Shetty, India

16:00 Breakout
Sheela Pai Cole, United States

Session Date/Time: Tuesday, March 5, 2024 - 16:45 - 17:45
MR 332 (Level 3)
Cardiac, Thoracic & Vascular Workshop: Neuroprotection in Cardiac Surgery
Workshop Fee: 20 USD

1. Discuss etiology of various postoperative neurological complications after cardiac surgery.
2. Describe strategies for protecting neurological function during cardiac surgery.
3. Review challenges and limitations of neuroprotective techniques.

16:45 Chair: Neuroprotection in Cardiac Surgery
George Djaiani, Canada

16:47 Review Etiology of Postoperative Neurological Complications
Daniel Bainbridge, Canada

17:02 Discuss Techniques for Preventing Neurological Complications after Cardiac Surgery
Anantachote Vimuktanandana, Thailand

17:17 Delineate Techniques to Diagnose Cognitive Decline after Cardiac Surgery
Agya Prempeh, United States

17:32 Questions and Answers
**PROGRAMME**

**Wednesday, March 06, 2024**

**Session Date/Time: Wednesday, March 6, 2024  -  08:30 - 10:30**

MR 334 (Level 3)

**Cardiac, Thoracic & Vascular Workshop: 3-D Echo Workshop**

Workshop Fee: 140 USD

1. Demonstrate techniques of optimising a 3-D echo dataset for post-processing.
2. Describe methods of cropping a 3-D echo dataset.
3. MV modelling.
4. Review methods of creating an optimal mitral valve model for surgical planning.

08:30  **Chair: Session Introduction**

   *Ben O'Brien, Germany*

08:32  **Getting the Perfect 3D Dataset**

   *Abimbola Faloye, United States*

09:02  **Cropping Your Dataset (Multiplanar Reconstruction)**

   *Sheela Pai Cole, United States*

09:32  **Ventricular Assessment and Modelling**

   *Madhav Swaminathan, United States*

09:52  **Valve Assessment and Modelling**

   *Stanton Shernan, United States*

10:17  **Questions and Answers**

**Session Date/Time: Wednesday, March 6, 2024  -  08:30 - 09:30**

MR 325 (Level 3)

**Cardiac, Thoracic & Vascular Workshop: AI-Based Workshop in CT Anaesthesia**

Workshop Fee: 25 USD

1. Discuss the significance of artificial intelligence (AI) and machine learning (ML) in cardiothoracic anaesthesia.
2. Describe how AI and ML tools can assist with clinical decision support.
3. Review challenges and limitations of using AI and ML technology in cardiothoracic anaesthesia.

08:30  **Chair: Session Introduction**

   *Stanton Sherman, United States*

08:32  **Clinical Applications of Artificial Intelligence: Clinical Workflow**

   *Louise Sun, United States*

08:52  **Artificial Intelligence in Echocardiography**

   *Nian-Chih Hwang, Singapore*

09:12  **Questions and Answers**
Cardiac, Thoracic & Vascular Workshop: How to Get Published in CT Anaesthesia

Workshop Fee: 25 USD

1. Discuss the principles of publishing articles from an editor's viewpoint.
2. Review common errors in scientific writing.
3. Describe considerations when selecting a journal for your scholarly work.

08:30 Chair: Session Introduction
Madhav Swaminathan, United States

08:32 What Editors Are Looking For
Alexander Mittnacht, United States

08:47 Common Mistakes Writers Make
Gudrun Kunst, United Kingdom

09:02 How to Pick the Right Journal
Christopher Troianos, United States

09:17 Questions and Answers

Cardiac, Thoracic & Vascular Workshop: ECMO Cases and Troubleshooting

Workshop Fee: 25 USD

1. Review ECMO cases in which echo helped management.
2. Discuss tips and tricks for successful management of ECMO challenges.
3. Review different configurations of ECMO deployment and their goals.

09:45 Chair: Session Introduction
Sophia Chew, Singapore

09:47 ECMO Disasters - Echo Cases
Mathew Patteril, United Kingdom

10:02 ECMO Disasters - Management Pearls
Daniel Bainbridge, Canada

10:17 Types of ECMO and the Challenges They Come With
Abimbola Faloye, United States

10:32 Questions and Answers